CLAIMS

1.	An	electrode	brain	probe	assembly
comprising:					

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- a) a polymeric layer;
- b) a set of electrical contacts and conductors on said polymeric layer; and
- c) said electrode brain probe assembly having a distal end, and being greater than 5 mm long, less than 5 mm wide and less than 1 mm thick.
- 2. The assembly of claim 1 further being pointed at said distal end.

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3. The assembly of claim 1 further defining a through hole at said distal end, thereby permitting the use of a placement device to push said bio-probe into delicate soft tissue, such as brain tissue.

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- 4. The assembly of claim 1 wherein said flexible polymer substrate is comprised of a layer of polyether sulfone.
- 5. The assembly of claim 1 wherein said flexible polymer substrate is comprised of a layer of polyimide.
 - 6. The assembly of claim 1 wherein said conductive material is a metal.

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7. The assembly of claim 1 wherein said conductive material is a conductive polymer.

8. The assembly of claim 1 wherein said flexible polymer substrate is comprised of a layer of liquid crystal polymer.